Work Orde August-24-12 1					Page 1						
Item ID: Revision ID:	D2989-5			Accept	*N900	040	100)* s	etup Star Stop	171	S1* S2*
Item Name: Start Date: Required Date: Reference:	8/27/12	Start Qty: 2.00 Req'd Qty: 2.00	*2*		Cust Item I Customer:	D:				· IN	5/"
Approvals:	Process I	Plan: <u>M</u> しゴ	Date: \2/08	Date: 12/08/28 Tooling:			_	R	lun Stai	1/1	R1*
	QC:		Date:	SPC (Y/N):	D	ate:			Sto	*N	R2*
Sequence ID/ Work Center I	D	Operation Description	. %	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	R	tevision Nbr									
D2989	* R	lev D								•	
*100	*	Large Fab		0.00				(9)	-Sn) 12	つとつぐ
Large Fab		Memo		0.00					271	ב-ו-ען	
Large Fab			3166-3 to cut D2989-5 rib lentification markings3- de	as per dwg D2989 using D burr	T9442 jig2-						
110	,	QC6- Inspect dimension	ons to drawing	0.00							0AS 09
110 QC Quality Control		Memo		0.00				<u>(R)</u>	B-02-1		_ <u>~ &</u> &A
120		ldentify as per dwg &	Stock Location WM	0.00				<u> </u>	0.5	e.	
120 Packaging Packaging		Memo		0.00				(8x)	CC.	13-0	7-13

											DQA	: Dat	te:	
NCR:	Yes	/ No				WORK ORDER NON-C	COI	NFORN	/IANCE / UP	DATE			_	
								QA Closed	: Dat	te:				
Work Orde	er:					DISPOSITION	AGAINST DEPARTMENT/PROCESS							
Part No						Rework Scrap Use-as-is Work Order Update	N Therm	Skid-tube Machining oforming Large Fab	Crosstube Small Fab Finishing Composite	-	Water Jet od. Eng. Coor. ore/Packaging Supplier		Engineering Quality Other	
Root					Descri	ption of work order update		Initial	Ac	tion	Sign &			
Cause		Date	Step	Qty		or Non-conformance	Ch	nief Eng	Desc	ription	Date	Verification	n	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved		-												
						F	AUL	T CATE	ORY					
Landi		ear Bending				General Bend		Grain			Ovalized		P	Pressure/Forced
5,	-	Centre No Cracks	t Concen	itric to (o/s	BOM/Route Broken/Damaged		Hardwai	re on Incomplete		Over/Unde Part Incorre	-	_	Temperature/Cure Weld
	-	Crushed/0	crimped.			Burrs		4	ons Incomplete/	Unclear	Part Lost/M		\vdash	Wrong Stock Pulled
	Ц̈́	Cuffs		,		Contamination		Mainte	nance		Part Moved	i		
		Heat Trea	t			Countersink		Mislabel	led		Positioned	Wrong		
	╚	Inspection	Strip in	Tube		Cut Too Short		Misread			Power Loss	/Surge		Other
	Ripples in Bend					Drill Holes		Offset				•		

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish

Folio

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Work Orde		199			*891			Page 2							
Revision ID: Item Name: Start Date: Required Date:	D2989-5 Rib 8/27/12 8/27/12	Start Qty: 2.00 Req'd Qty: 2.00	.'	*2* *2*	Accept	*N900040100 Cust Item ID: Customer:)*	Setup	Start Stop	*NS	*NS1* *NS2*		
Approvals:	Process Plan:QC:		Date:		Tooling: SPC (Y/N):	Date: Date:				Run	Start Stop	*NF	R1* R2*		
Sequence ID/ Work Center II 130 *130* QC Quality Control	D	Operation Description QC21- Final Inspection Memo	Work Orde	er Release	Set Up/ Run Hours 0.00	Tool ID	Tool #	Plan Code	Accep	t Re Qt	-	Reject Number 2/14 M	Insp. Stamp		

NCR:																		
					n as u							•	QA Closed:		Date:			
Work Orde	er:			DISPOSITION					AGAINST DEPARTMENT/PROCESS									
Part f						Rework Scrap Use-as-is Work Order Update	Skid-tube Crosstube Machining Small Fab Thermoforming Finishing Large Fab Composite					-	Water J d. Eng. Coo re/Packagi Suppli	Engineering Quality Other				
Root					Descri	ption of work order update		Initial		Act	tion		Sign &					
Cause		Date	Step	Qty	(or Non-conformance	Cr	nief Eng		Desc	ription		Date	Verifica	tion	QC Inspector		
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training					·									·				
Unapproved				l			1		<u></u>									
l and:							-AUI	LT CATE	GORY									
Landi		Bending Centre Not Concentric to O/S Cracks Crushed/Crimped. Cuffs Heat Treat Inspection Strip in Tube Ripples in Bend Torque Waves in Extrusion				General Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short Drill Holes Drawing		Grain Hardware Inspection Incomplete Instructions Incomplete/Unclear Maintenance Mislabeled Misread Offset Out of Calibration			Unclear		Ovalized Over/Under Part Incorre Part Lost/M Part Moved Positioned V Power Loss/	ct issing Vrong	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled Other			
l .	Turning Sequence					Finish	1	Out of 9	sequen	ce								

Outside Dimensions

DQA:

Date:

Wave/Twist in Tube

Folio

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Picklist Print

August-24-12 11:08:26 AM

Page 1

Work Order ID:

89199

Parent Item:

D2989-5

Parent Item Name:

Rib

Start Date: 8/27/12

Required Date: 8/27/12

Start Qty: 2.00

0.6736

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3166-3	443	Manufactured	No			100	Each	6.8137	0.08	0.1684211			
Basket Hoop										·///	3-0) - OS	b.
				Location		Loc Qty	<u>L</u>	oc Code	_	- .			
				WA		6.2348578							
				815	78	0.1052							
				847	13	0.1296578							
				877	93	6							
				WA007		0.5788							
				772	94	0.5788		9)	169	364			

NCR:	• • • • • • • • • • • • • • • • • • • •																	
-											QA CI	osed:	Da	te:				
Work Ord	er:					DISPOSITION		AGAINST DEPARTMENT/PROCESS										
Part No						Rework Scrap Use-as-is Work Order Update	Skid-tube Crosstube Machining Small Fab Thermoforming Finishing Large Fab Composite			Prod. Eng. Rec/Store/Pack								
Root						ption of work order update		nitial		ion	Sigi				. ,			
Cause	1	Date	Step	Qty		or Non-conformance	Ch	ief Eng	Descr	ription	Da	ite	Verificatio	n	QC Inspector			
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved																		
		_				······································	AUL	T CATE	GORY									
Landi		Bending Centre Not Concentric to O/S Cracks Crushed/Crimped Cuffs Heat Treat Inspection Strip in Tube				General Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short		Inspection Instruction Mainteon Mislabeon Misread	ardware spection Incomplete structions Incomplete/Unclear Maintenance Mislabelec		Over/ Part II Part L Part N Positi	Ovalized Over/Under tolerance Part Incorrect Part Lost/Missing Part Moved Positioned Wrong Power Loss/Surge			Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled . Other			
1	Ripples in Bend					Drill Holes	1	Offset										

Out of Calibration

Out of Sequence

Outside Dimensions

DQA:

Date:

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish

Folio

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D2989-043 BASKET LID ASSEMBLY (MESH SHOWN LOCALLY FOR CLARITY) D2989-041 BASKET LID ASSEMBLY (MESH SHOWN LOCALLY FOR CLARITY) SHOP COPY RETURN TO **ENGINEERING** UNCONTROLLED COPY

QTY -043 OTY ITEM D/N DESCRIPTION -041 D2989-041 BASKET LID ASSEMBLY D2989-043 BASKET LID ASSEMBLY D2506 LABEL PLATE D2512-7 RIR D2581 MOUNTING BRACKET D2989-3 RIB D2989-4 1 RIB 2 D2989-5 RIB D2989-13 RIB 10 2 D2989-17 RIB 11 D2989-19 RIB 12 2 D3182-1 HINGE 13 2 D3442-3 SHIM 14 D3827-041 RIB ASSY (INBOARD) 15 D3832-3 MESH, BASKET LID 16 D3832-5 MESH, BASKET LID 17 D3833-3 MESH LID END 18 D3833-5 MESH, LID END 19 D3836-041 RIB ASSY (BASKET LID, LH) RIB ASSY (BASKET LID, RH) 20 D3836-042 21 D3838-041 RIB ASSY (BASKET LID. LH) 22 D3838-042 RIB ASSY (BASKET LID, RH) 23 D3852-041 RIB ASSEMBLY 24 D3852-042 RIB ASSEMBLY

D

REVISED -041/-043 PARTS LISTS AND ADDED "ITEM"
COLUMN TO PARTS LIST (ZN D3-1), D3835-041 REPLACES
D2898-94-15, D333-6-042 REPLACES (2299-10)-15; D3836-041
REPLACES D2989-1/-7; D3838-042; REPS-045-0599-22-2;
D3852-041 REPLACES D2989-11-7; D3852-042 REPLACES
D2899-2; REMOVED D2327-3 (NOW INSTALLED OLD 3336
DWG), D2989-4-10 (NOW ON D3836 OWG), D2989-1/-2/7-15
(NOW ON D3838 DWG) AND D2989-1/1-12 (NOW ON D3852
DWG), REASON: TO SATISFY "LEAN MANUFACTURING" PROGRAM мв 08.09.24 FRAME MATERIAL WAS 0.060 WALL; MESH MATERIAL UPDATED; DRAWING TRANSFERED TO "B" FORMAT AND CURRENT DRAFTING STANDARD AJS 08.06.20 ADD SHIM UNDER HINGES, UPDATE LID DIMENSIONS PH 05.06.07 A NEW ISSUE DS 00.10.27 REV. DESCRIPTION BY DATE DESIGN

DART AEROSPACE LTD DRAWN HAWKESBURY, ONTARIO, CANADA CHECKED DRAWING NO. REV. D D2989 MFG. APPR SHEET 1 OF 5 APPROVED TITLE SCALE BASKET LID ASSEMBLY DE APPR. NTS COPYRIGHT © 2000 BY DART AEROSPACE LTD DATE 08.09.24

SUBJECT TO AMENDMENT WITHOUT NOTICE WORK ORDER MLJ 12/08/28

NOTES: 1) MATERIAL: N/A

2) FINISH: POWDER COAT WHITE (4.3.5.2) PER DART QSI 005 4.3 2) FINISH: POWDER COAT WHITE (4.3.5.2) PER DART QSI 005 4.3
BLACK ANTI-SKID PAINT AS INDICATED PER DART QSI 005 4.4
SPRAY PAINT INSIDE SURFACE BLACK PRIOR TO APPLYING ANTI-SKID
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX

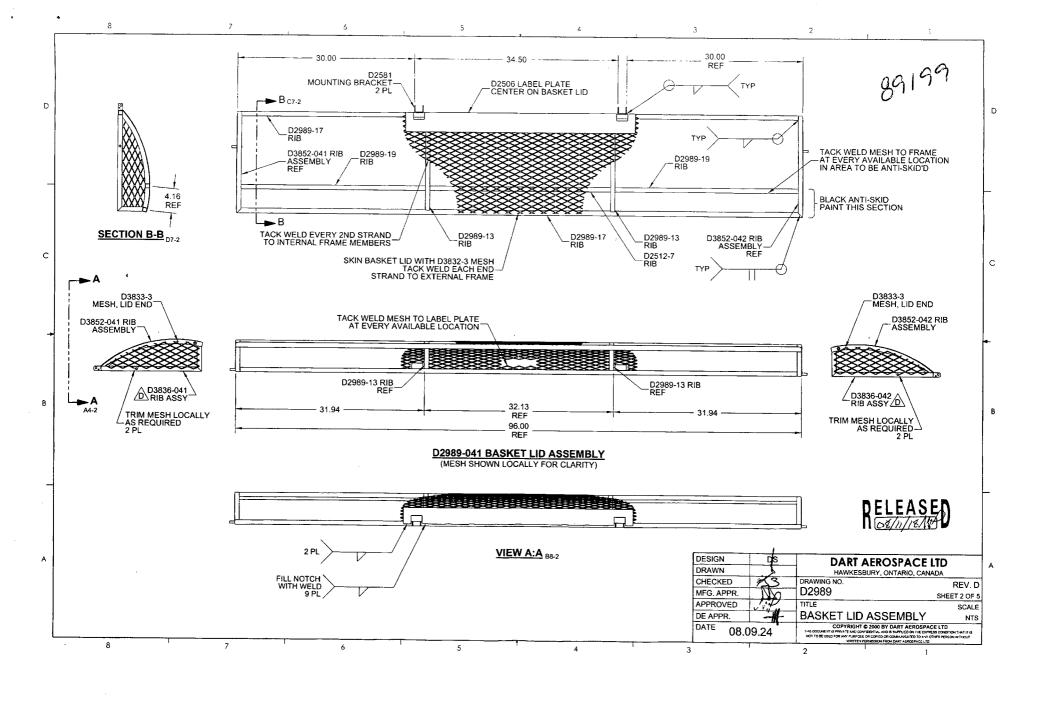
6) IDENTIFICATION: N/A

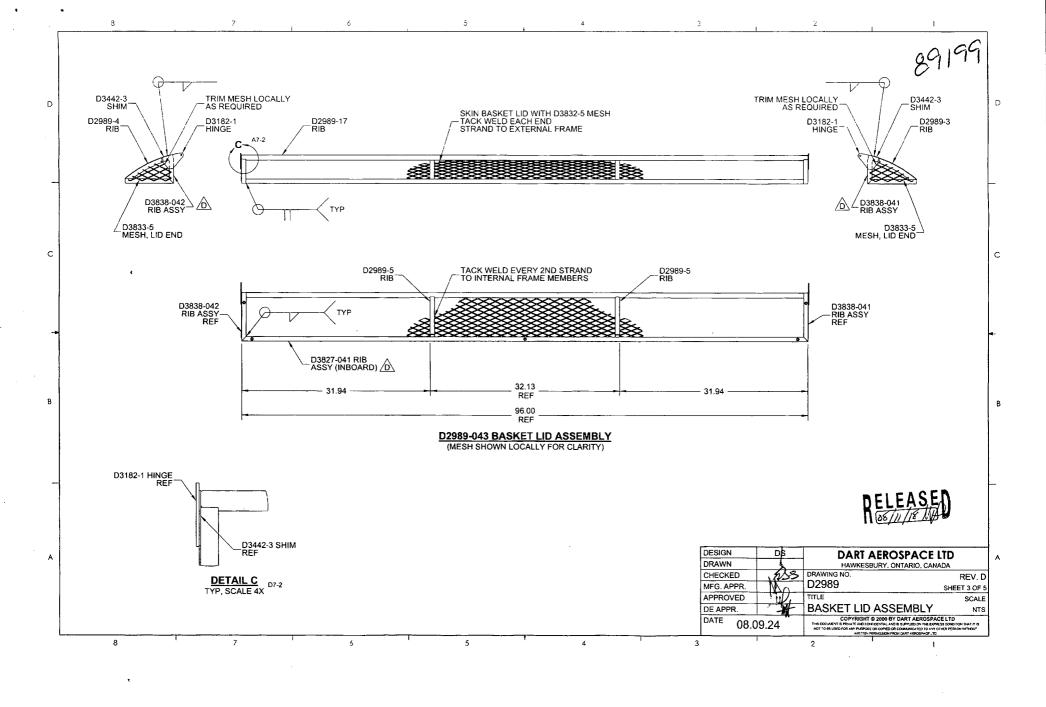
7) WEIGHT: D2989-041 = 26.50 lbs; D2989-043 = 15.50 lbs

8) WELD PER DART OSI 004

5

 \wedge





29199 D 0.75 X 45° CHAMFER 0.75 X 45° CHAMFER С 4.10 4.10 R19.00 R19.00 D2989-3 RIB D2989-4 RIB 0.065 0.75 REF REF DESIGN NOTES:
1) MATERIAL: D3166-3 BASKET HOOP
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
8) WEIGHT: D2989-3/-4 = 0.39 lbs; DART AEROSPACE LTD DRAWN HAWKESBURY, ONTARIO, CANADA 0.75 DRAWING NO. CHECKED REF REV. D D2989 MFG. APPR. SHEET 4 OF 5 **TYPICAL SECTION** APPROVED TITLE SCALE VIEW **BASKET LID ASSEMBLY** DE APPR. NTS COPYRIGHT © 2000 BY DART AEROSPACE LTD
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